



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
FORM PTO-1449 (modified)

Sheet 1 of 6

Application No.	10/073,938
Filing Date	02-14-2002
First Named Inventor	Steven L. Seed
Group Art Unit	2443
Examiner Name	Asghar H. Bilgrami
Attorney Docket No.	2711-0040
Confirmation No.	5330

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document No.	Publication/ Issue Date	Name of Patentee or Applicant of Cited Document
	1-1	US-5819092	10-06-1998	Ferguson
	1-2	US-6078943	06-20-2000	Yu
	1-3	US-6081835	06-27-2000	Antcliff
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**NON-PATENT REFERENCES**

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	2-1	ALMEROTH, K., et al. "Scalable Delivery of Web Pages Using Cyclic Best-Effort (UDP) Multicast", IEEE INFOCOM, San Francisco, California, USA, June 1998.	
	2-2	Awerbuch, et al., Competitive Distributed File Allocation. in Proc. of the 25th Ann. ACM Symp. on Theory of Computing, pp. 164-173, May 1993.	
	2-3	BAENTSCH, M., et al., "Introducing Application-Level Replication and Naming into Today's Web," Computer Networks and ISDN Systems, vol. 28, num. 7-11, pgs. 921-930, May 1996.	
	2-4	Bartal, Y., et al., "Competitive Algorithms for Distributed Data Management", 24th Annual ACM STOC, 5/92, Victoria, B.C. Canada.	
	2-5	Berners-Lee, T. & Connolly, D., "Hypertext Markup Language - 2.0," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1866, Nov. 1995	
	2-6	BERNERS-LEE, T., et al., "Hypertext Transfer Protocol – HTTP/1.0," Internet Engineering Task Force (IETF) Internet Draft, draft-ietf-http-v10-spec-00.ps, March 1995.	
	2-7	BERNERS-LEE, T., et al., "Hypertext Transfer Protocol – HTTP/1.0," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1945, May 1996.	

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	3-1	BERNERS-LEE, T., et al., RFC 1738--Uniform Resource Locators, Dec. 1994.	
	3-2	Bestavros, A. Demand-based document dissemination to reduce traffic and balance load in distributed information systems. In Proc. IEEE Symp. on Parallel and Distributed Processing, San Antonio, TX, October 1995.	
	3-3	Brisco, T. P. RFC 1794: DNS support for load balancing, Apr. 1995.	
	3-4	Cate, V. "Alex: a global file system", in Proc. Usenix Conf. on File Systems, May, 1992, pgs. 1-11.	
	3-5	COLAJANNI, M., et al., "Scheduling Algorithms for Distributed Web Servers," International Conf. on Distributed Computing Systems (ICDCS), Baltimore, Maryland, USA, May 1997.	
	3-6	Danzig, P. B., et al., "An analysis of wide-area name server traffic: a study of the Internet Domain Name System," Conf. Proc. Communications Architectures & Protocols (Aug. 1992). D. Oran, Ed. SIGCOMM '92. ACM Press, New York, NY, 281-292.	
	3-7	ERIKSSON, H., "MBONE: The Multicast Backbone," Communications of the ACM, vol. 37, num. 8, Pg. 54-60, August 1994.	

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	4-1	FIELDING, R., et al., "Hypertext Transfer Protocol – HTTP/1.1," Internet Engineering Task Force (IETF) Internet Draft, draft-ietf-http-v11-spec-00.txt, November 1995.	
	4-2	FIELDING, R., et al., "Hypertext Transfer Protocol – HTTP/1.1," Internet Engineering Task Force(IETF) Request for Comments (RFC) 2068, January 1997.	
	4-3	KIM, Y. J., et al., "Clustered multi-media NOD: Popularity-based article prefetching and placement," Sixteenth IEEE Symp. on Mass Storage Systems, San Diego, CA, pgs. 194-202 (March 15-18, 1999).	
	4-4	Krishnamurthy, B. et al., Study of piggyback cache validation for proxy caches in the World Wide Web, in: Symp. on Internet Technology and Systems, USENIX Association, Dec. 1997.	
	4-5	MALKIN, G., "RIP Version 2 Carrying Additional Information," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1388, January 1993.	
	4-6	Mockapetris, P., RFC 1034: Domain Names - Concepts and Facilities, Nov. 1987.	
	4-7	Mockapetris, P., RFC 1035: Domain Names - Implementation and Specification, Nov. 1987.	

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	5-1	MOY, J., "OSPF Version 2," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1583, March 1994.	
	5-2	PARRIS C., et al, "A Dynamic Connection Management Scheme for Guaranteed Performance Services in Packet-Switching Integrated Services Networks," UC Berkeley Computer Science Division Tech. Report TR-93-005, 1993.	
	5-3	PARRIS C., et al, "The Dynamic Management of Guaranteed Performance Connections in Packet Switched Integrated Service Networks," UC Berkeley Computer Science Division and International Computer Science Institute Tech. Report CSD-94-859, 1994.	
	5-4	PARTRIDGE, C., et al., "Host Anycasting Service," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1546, November 1993.	
	5-5	POVEY, D. et al., "A distributed internet cache," in Proc. of the 20th Australasian Computer Science Conf., Feb. 1997.	
	5-6	REISSLEIN, M. et al., "Interactive video streaming with proxy servers," in Proc. of First International Workshop on Intelligent Multimedia Computing and Networking (IMMCN) 2000 (month unknown), pgs. 588—591.	
	5-7	TOPOLCIC, C., "Experimental Internet Stream Protocol, Version 2 (ST-II)," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1190, October 1990.	

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	6-1	TOUCH, J. et al., "The X-Bone,". Third Global Internet Mini-Conference at Globecom '98. Sydney, Australia, Nov. 1998, pp. 59-68 (pp. 44-52 of the mini-conference).	
	6-2	TRAINA, P., "BGP-4 Protocol Analysis," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1774, March 1995.	
	6-3	WESSELS, D. "Configuring Hierarchical Squid Caches", Aug. 19, 1997.	
	6-4	WESSELS, D. et al., RFC2186, "Internet Cache Protocol (ICP), Version 2", Sep. 1997, Memo; Internet RFC/STD/FYI/BCP Archives, Network Working Group.	
	6-5		
	6-6		
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